

6th Grade Study Guide

Chapter 4

Cell Reproduction

CELL DIVISION AND MITOSIS Section 1

- Describe the cell cycle; identify each part.
- Explain the purposes of mitosis and identify the four parts.
- Define asexual reproduction, budding and regeneration.

SEXUAL REPRODUCTION AND MEIOSIS Section 2

- Explain the purpose of meiosis.
- Define zygote.
- Identify diploid and haploid cells.
- Identify the eight parts of meiosis and its outcomes.

DNA Section 3

- Define DNA and the parts that construct it.
- Explain what a gene is and its purpose.
- Know that genes can be turned on and off.
- Define mutation and its effects on organisms.

